

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,141,523 B2  
APPLICATION NO. : 10/666212  
DATED : November 28, 2006  
INVENTOR(S) : Anatoly Z. Rosenflanz

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, Column 1

Item (54), Title, Delete "CERAMICS COMPRISING  $Al_2O_3$ , REO,  $ZrO_2$ , AND/OR  $HfO_2$ , AND  $Nb_2O_5$  AND/OR  $Ta_2O_5$  AND METHODS OF MAKING THE SAME" and insert -- CERAMICS COMPRISING  $Al_2O_3$ , REO,  $ZrO_2$ , AND/OR  $HfO_2$ , AND  $Nb_2O_5$  AND/OR  $Ta_2O_5$  AND METHODS OF MAKING THE SAME --.

Title Page 3, Column 1

Line 36, after "6,461,988" delete "B1" and insert -- B2 --, therefor.

Line 42, after "6,511,739" delete "B1" and insert -- B2 --, therefor.

Line 55, after "6,749,653" delete "B1" and insert -- B2 --, therefor.

Title Page 3, Column 2

Line 38, before "63-156024" delete "JP" and insert -- S --, therefor.

Line 39, before "63-303821" delete "JP" and insert -- S --, therefor.

Line 41, before "HEI 4-119941" delete "JP" and insert -- HEI --, therefor.

Line 46, before "HEI 11-189926" delete "JP" and insert -- HEI --, therefor.

Title Page 4, Column 1

Line 10, delete "Krepskim" and insert -- Krepski --, therefor.

Line 40, delete "Metal" and insert -- Metals --, therefor.

Line 62, delete "n" and insert -- no. --, therefor.

Title Page 4, Column 2

Line 26, before "http" insert -- " --.

Line 26, delete "asp;" and insert -- asp"; --, therefor.

Line 35, delete " $TiO_2$ ," and insert -- ( $TiO_2$ , --, therefor.

Line 53, delete " $Al_2O_3ZrO_2$ " and insert --  $Al_2O_3-ZrO_2$  --, therefor.

Line 70, delete " $RE_3Al_5O_{12}$ " and insert --  $Re_3Al_5O_{12}$  --, therefor.

Line 70, delete "REAl<sub>3</sub>" and insert -- REAl<sub>3</sub> --, therefor.

Title Page 5, Column 1

Line 19, delete "Crystals" and insert -- Crystal --, therefor.

Line 27, delete "transition" and insert -- translation --, therefor.

Title Page 5, Column 2

Line 28, delete "Having" and insert -- having --, therefor.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,141,523 B2  
APPLICATION NO. : 10/666212  
DATED : November 28, 2006  
INVENTOR(S) : Anatoly Z. Rosenflanz

Page 2 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Lines 1-4, in the title, delete "CERAMICS COMPRISING  $Al_2O_3$ , REO,  $ZrO_2$ , AND/OR  $HfO_2$ , AND  $Nb_2O_5$  AND/OR  $Ta_2O_5$  AND METHODS OF MAKING THE SAME" and insert -- CERAMICS COMPRISING  $Al_2O_3$ , REO,  $ZrO_2$ , AND/OR  $HfO_2$ , AND  $Nb_2O_5$  AND/OR  $Ta_2O_5$  AND METHODS OF MAKING THE SAME --.

Column 3

Line 3, delete "so" and insert -- some --, therefor.

Column 6

Line 46, delete "DRAWING" and insert -- DRAWINGS --, therefor.

Column 13

Line 15, delete "typically-added" and insert -- typically added --, therefor.

Column 17

Line 38, after " $TeO_2$ ," insert --  $TiO_2$ , --.

Line 52, delete " $Al_2O_3$ –metal oxide" and insert --  $Al_2O_3$ •metal oxide --, therefor.

Column 21

Line 1, delete " $Er(NO_3)_5H_2O$ ," and insert --  $Er(NO_3)_5H_2O$  --, therefor.

Line 2, delete "3" and insert -- 43 --, therefor.

Line 33, below the table, delete "of" and insert -- by --, therefor.

Line 45, in Table 2, delete " $(ErNO_3)_5H_2O$ " and insert --  $(ErNO_3)_5H_2O$  --, therefor.

Column 23

Line 63, in Claim 1, delete "80" and insert -- 85 --, therefor.

Line 66, in Claim 1, delete "20" and insert -- 15 --, therefor.

Column 24

Line 17, in Claim 4, delete " $HfO_2$ ," and insert --  $HfO_2$ , --, therefor.

Line 25, in Claim 6, delete " $Al_2O_3$ or" and insert --  $Al_2O_3$  or --, therefor.

Line 44, in Claim 12, delete "or" and insert -- of --, therefor.

Column 25

Line 6, in Claim 21, delete " $Ta_2O_5$ ," and insert --  $Ta_2O_5$ , --, therefor.

Line 8, in Claim 21, delete " $Al_2O_3$ or" and insert --  $Al_2O_3$  or --, therefor.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,141,523 B2  
APPLICATION NO. : 10/666212  
DATED : November 28, 2006  
INVENTOR(S) : Anatoly Z. Rosenflanz

Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 26

Line 23, in Claim 32, delete "35.73percent" and insert -- 35.73 percent --, therefor.

Line 23, in Claim 32, delete "Al<sub>2</sub> O<sub>3</sub>," and insert -- Al<sub>2</sub>O<sub>3</sub>, --, therefor.

Line 27, in Claim 33, delete "A<sub>2</sub>O<sub>3</sub>," and insert -- Al<sub>2</sub>O<sub>3</sub>, --, therefor.

Signed and Sealed this

Ninth Day of June, 2009



JOHN DOLL  
*Acting Director of the United States Patent and Trademark Office*